

**AUTOMATED ADAPTATION OF THE SUPPLY VOLTAGE OF A  
LIGHT-EMITTING DISPLAY ACCORDING TO THE DESIRED LUMINANCE**

**ABSTRACT**

5           A method for regulating the biasing voltage of column control circuits of an array  
screen formed of LEDs distributed in lines and columns, the column control circuits  
being adapted to turning on at least one LED of a line. The method consists of increasing  
the biasing voltage when the current flowing through at least one activated LED is  
10 smaller than a determined luminance current and of decreasing the biasing voltage when  
the current flowing through each activated LED is equal to the determined luminance  
current.